

Software: **FieldWorker Pro** 1.2.6

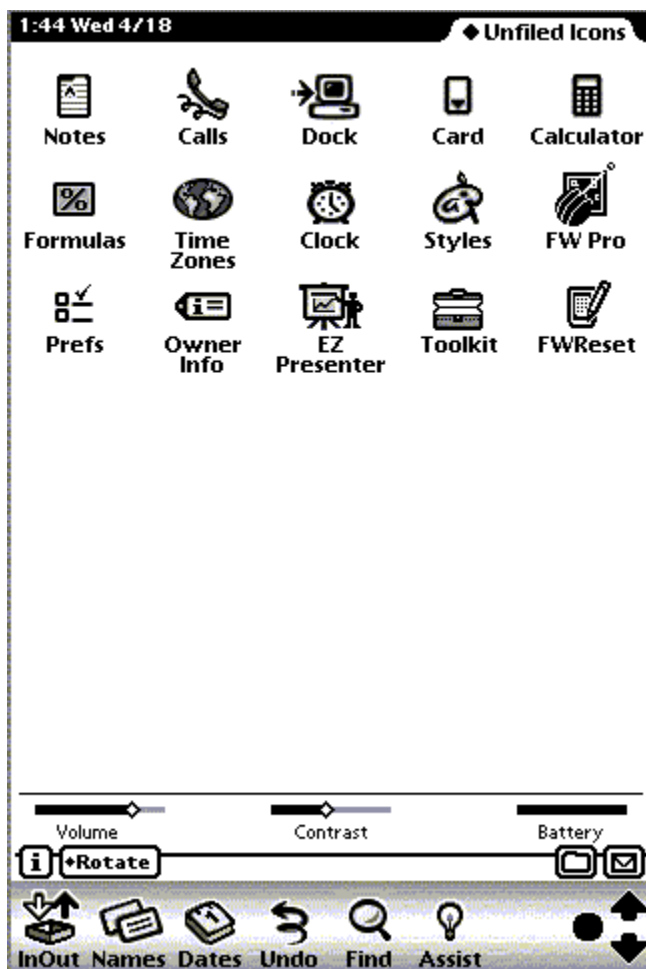
Platforms: **Newton** MP130, MP2000, MP2100

Description

Instructions on collecting point, line and polygon (area) features using a GPS and FieldWorker Pro on the Newton PDA platform.

Instructions

1) Open FieldWroker on the Newton by tapping the FW Pro icon.



2) Open a FieldWorker project by tapping the ♦ at the top enter of the screen; choose "Geodata Collector".

The screenshot displays the FieldWorker application interface. At the top, there is a 'Project' dropdown menu with a diamond icon (♦) to its left. A menu is open, listing several project options: 'Archaeological Site Form', 'Conservation Assistance', 'EWP DSR 2.2', 'EWP Ranking-Iowa', 'GeoData Collector 1.0' (which is selected with a checkmark), 'O & M Inspection', 'Status Review', 'Stream VAP', 'Wetland Determination', and 'WRP Ranking-Iowa'. Below the 'Project' dropdown is a 'Station' field with a diamond icon (♦) and a 'Screen' dropdown menu with a diamond icon (♦). The 'Field Name' label is visible below the 'Screen' dropdown. The main form area contains several fields: 'Area(ac)' with an equals sign icon (=), 'Length(ft)' with an equals sign icon (=), 'Sketch' with an 'Enter' button, and 'Comments' with a list icon. Below these are three empty lines for additional input. At the bottom, there is a toolbar with icons for 'In/Out', 'Names', 'Dates', 'Undo', 'Find', and 'Assist'. A 'Show' button and a close icon (X) are also present in the bottom right corner.

3) Enter a unique site name in the Station line.

Project

GeoData Collector 1.0

Station

Field-01

44

GPS

Display

4/18/2001 1:37 pm

Screen

GPS Data

Field Name	Value
Area(ac)	
Length(ft)	
Sketch	Enter
Comments	

Show

InOut

Names

Dates

Undo

Find

Assist

4) Select the type of feature to be collected: point, line or polygon (area), from the menu to the left of the "GPS" icon.

Project: GeoData Collector 1.0

Station: Field-01

GPS: Last Point Only, Average of All Points, Average from Display, Automatic Trail, Save GPS Data

Screen: Automatic Trail, Save GPS Data

Field Name	Value
Area(ac)	
Length(ft)	
Sketch	Enter
Comments	

Toolbar: In/Out, Names, Dates, Undo, Find, Assist, Show

Last Point Only: When speed is important and the accuracy of a single reading from your GPS receiver is acceptable.

Average of All Points: Improves accuracy by averaging all readings taken from open to close of a FPS connection.

Average from Display: Review a scatter diagram of FPS readings so that outliers can be eliminated before an average is taken.

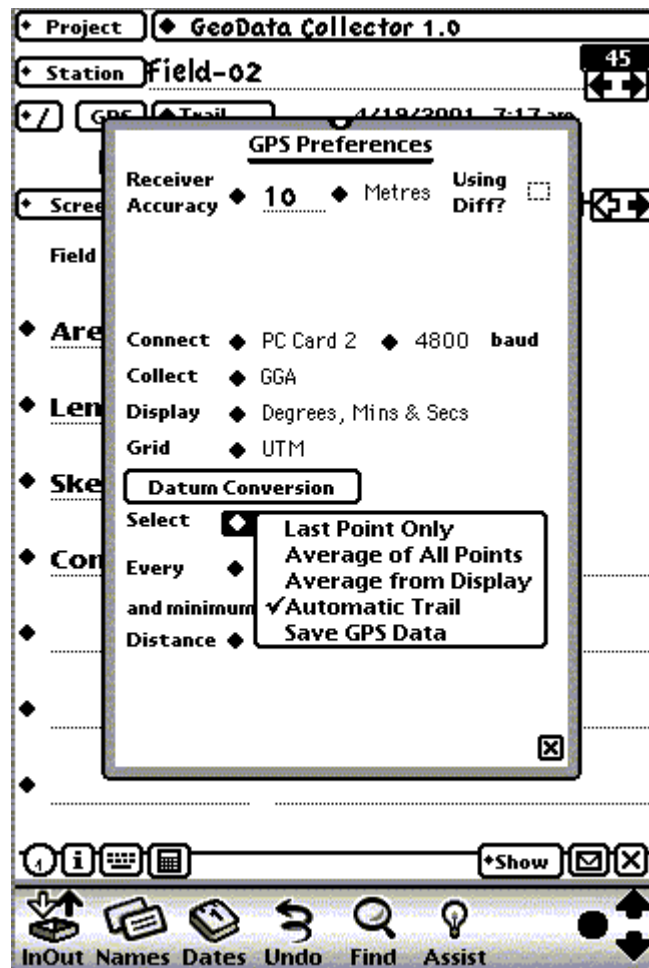
Save FPS Data: Saves NMEA sentences during a GPS connection.

Automatic Trail: User sets time and distance intervals for taking automatic readings.

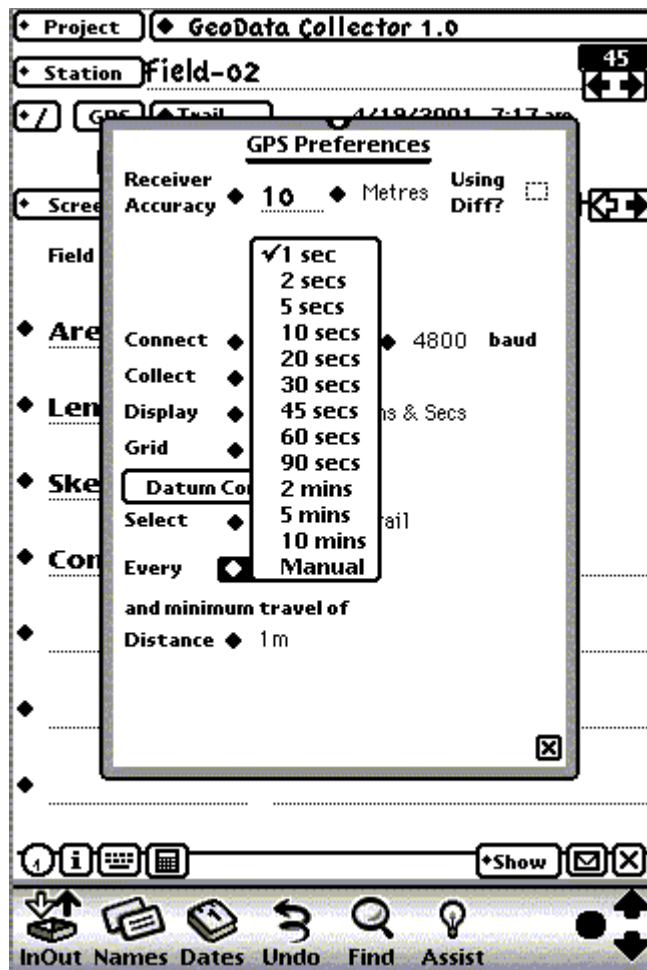
To set the Automatic Trail intervals select the **i** icon in the lower left part of the screen and select GPS Preferences.

Project	GeoData Collector 1.0		
Station	Field-02	45	
GPS	Trail	4/19/2001	7:17 am
=			
Screen	GPS Data		
Field Name	Value		
Area(ac)	=		
Length(ft)	=		
Sketch	Enter		
Comments			
<div> About Help GPS Preferences GPS Test Device Preferences Device Test </div>			
		+Show	
InOut	Names	Dates	Undo Find Assist

Tap the "Select" menu and choose Automatic Trail.



Tap the "Every" menu and choose a time interval.



Tap the "Distance" menu and choose a distance interval, then close GPS Preferences Screen.

Project	GeoData Collector 1.0		
Station	Field-01	44	
<div>4/19/2001 7:15 am</div> <div>42°1'39.54"N 267.6 M</div> <div>93°38'38.54"W 34 readings</div>			
Screen	GPS Data		
Field Name		Value	
◆ Area(ac)	<input type="text"/>		
◆ Length(ft)	<input type="text"/>		
◆ Sketch	<input type="button" value="Enter"/>		
◆ Comments	<input type="text"/>		
◆	<input type="text"/>		
◆	<input type="text"/>		
◆	<input type="text"/>		
<div> <input type="button" value="Show"/> <input type="checkbox"/> <input type="checkbox"/> </div> <div> <input type="button" value="InOut"/> <input type="button" value="Names"/> <input type="button" value="Dates"/> <input type="button" value="Undo"/> <input type="button" value="Find"/> <input type="button" value="Assist"/> </div>			

To end GPS collection for polygon features tap the GPS polygon icon then "Done"; tap "Acres" to display acreage information.

Project	GeoData Collector 1.0		
Station	Field-03	47	
		4/19/2001 7:23 am	
76	42°1'39.31"N 266.9 M	282.7 M	
	93°38'38.38"W 4 satellites	0.1 ha	
Screen	GPS Data		
Field Name		Value	
Area(ac)	=	0.361649	
Length(ft)	=	927.359	
Sketch	Enter		
Comments	Waterway		

Show

In/Out Names Dates Undo Find Assist

To end GPS collection for line features tap the GPS line icon and "Done"; tap "Length" to display length information (ft.).

Created: 4/27/2001 Last Modified: 5/14/2001